



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C08K 9/06, C09C 3/12	A1	(11) International Publication Number: WO 00/31180 (43) International Publication Date: 2 June 2000 (02.06.00)
(21) International Application Number: PCT/CA99/01096 (22) International Filing Date: 22 November 1999 (22.11.99) (30) Priority Data: 2,254,559 20 November 1998 (20.11.98) CA (71) Applicant (for all designated States except US): BAYER INC. [CA/CA]; P.O. Box 3001, 1265 Vidal Street South, Samia, Ontario N7T 7M2 (CA). (72) Inventor; and (75) Inventor/Applicant (for US only): KOSKI, Ahti, August [CA/CA]; 1876 Bridgen Road, R.R. #1, Wilkesport, Ontario N0P 2R0 (CA). (74) Agents: NASSIF, Omar, A. et al.; Gowling, Strathy & Henderson, Suite 4900, Commerce Court West, Toronto, Ontario M5L 1J3 (CA).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>

(54) Title: PROCESS FOR HYDROPHOBICIZING PARTICLES, AND THEIR USE IN POLYMER DISPERSIONS**(57) Abstract**

Particles are hydrophobicized by *in situ* formation of a moiety containing amino and silane groups. The invention is particularly useful for treating hydrophilic inorganic particles. The treated particles can be used, for example, as a compound agent for polymers. The production and use of a predispersion or concentrate comprising a major amount of the treated particles and a binder is also described. Further, the production and use of masterbatch comprising a minor amount of the treated particles and a rubber is also described.

